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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**


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In re application of: Foster et al.

Patent: 7,080,357 B2

Title: SOFTWARE PACKAGE VERIFICATION



Attorney Docket No.: SUN1P774/P4756

Issued: July 18, 2006

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on August 31, 2006 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: 

Aurelia M. Sanchez

**REQUEST FOR CERTIFICATE OF CORRECTION  
OF OFFICE MISTAKE  
(35 U.S.C. §254, 37 CFR §1.322)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Attn: Certificate of Correction

**Certificate  
SEP 11 2006  
of Correction**

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) at least one copy of which is suitable for printing. The errors together with the exact page and line number where the errors are shown correctly in the application file are as follows:

**CLAIMS:**

1. In line 8 of claim 11 (column 10, line 18) change "teat modules" to --test modules--. This appears correctly in Amendment C as filed on June 10, 2005, on page 4, paragraph 5, line 7, as claim 23.
2. In line 8 of claim 21 (column 11, line 19) change "flies" to --files--. This appears correctly in Amendment C as filed on June 10, 2005, on page 6, paragraph 1, line 4, as claim 31.
3. In line 7 of claim 23 (column 11, line 44) change "flies" to --files--. This appears correctly in Amendment C as filed on June 10, 2005, on page 7, paragraph 2, line 6, as claim 38.

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4. In line 1 of claim 24 (column 12, line 1) change "f and g e" to --f and g--. This appears correctly in Amendment C as filed on June 10, 2005, on page 8, paragraph 1, line 1, as claim 39.

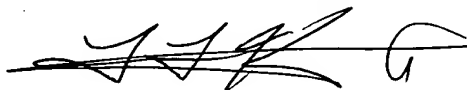
5. In line 2 of claim 32 (column 12, line 57) change "at lent" to --at least--. This appears correctly in Amendment C as filed on June 10, 2005, on page 2, paragraph 4, line 2, as claim 5.

6. In line 1 of claim 33 (column 12, line 59) delete "6". This appears correctly in Amendment C as filed on June 10, 2005, on page 2, paragraph 5, line 1, as claim 6.

Patentee hereby requests expedited issuance of the Certificate of Correction because the error lies with the Office and because the error is clearly disclosed in the records of the Office. As required for expedited issuance, enclosed is documentation that unequivocally supports the patentee's assertion without needing reference to the patent file wrapper.

It is noted that the above-identified errors were printing errors that apparently occurred during the printing process. Accordingly, it is believed that no fees are due in connection with the filing of this Request for Certificate of Correction. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. SUN1P774).

Respectfully submitted,  
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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claims 1-2 (cancelled).**

**Claim 3 (currently amended):** The tool of claim 44 **[[2]]**, wherein the framework identifies a priority for each of the test modules.

**Claim 4 (original):** The tool of claim 3, wherein the control module is operable to cause the test modules to be executed sequentially according to the priority identified in the framework for each of the test modules.

**Claim 5 (currently amended):** The tool of claim 44 **[[1]]**, wherein a mechanism is provided for identifying the at least one test module as being one of active and not active.

**Claim 6 (original):** The tool of claim 5, wherein the mechanism for identifying the at least one test module as being one of active and not active is included in the framework.

**Claim 7 (original):** The tool of claim 5, wherein the mechanism for identifying the at least one test module as being one of active and not active is included in the control module.

**Claim 8 (currently amended):** The tool of claim 44 **[[2]]**, wherein the framework comprises a test directory having a plurality of entries, each entry identifying one of the plurality of test modules.

**Claim 9 (original):** The tool of claim 8, wherein entry defines a priority for the one of the test modules identified therein.

**Claim 10 (original).** The tool of claim 8, wherein the identity of the one of the test modules defines its priority.

**Claim 16 (currently amended):** The method of claim 14 ~~[[15]]~~, wherein a priority for each of the test modules is identified in the framework.

**Claim 17 (currently amended):** The method of claim 14 ~~[[15]]~~, comprising sequentially causing each of the test modules to be executed according to the priority identified for each of the test modules.

**Claim 18 (currently amended):** The method of claim 14 ~~[[15]]~~, comprising identifying each of the test modules as being one of active and not active and wherein only active test modules are executed.

**Claim 19 (currently amended):** The method of claim 14 ~~[[15]]~~, comprising providing a directory in the framework, wherein the directory has a plurality of entries, each entry identifying one of the plurality of test modules.

**Claims 20-22 (cancelled).**

**Claim 23 (currently amended):** A method for verifying the correct installation of a software ~~installation~~ package that includes at least one installed software component ~~wherein verifying is conducted without performing a test execution of the software components of the software installation package~~ and wherein the software package includes a file list installed with the software package, the file list having data entries associated with parameters for the at least one software component, the method comprising the operations ~~[[steps]]~~ of:

a) providing a plurality of test modules configured to compare the data entries from the file list with information about an associated software component of the installed software package to determine correct installation of the software component;

b) a) providing a framework for identifying at least one a plurality of test modules, each said test module configured to compare file data of a selected one of the installed software components to associated use the data entries of the installed file list to test the correctness of the at least one parameter of the software package thereby defining a test of at least one parameter of the at least one software component of the package;

c) b) accessing the framework to identify the plurality of test modules; at least one test module; and

a) providing a computer having installed thereon a ~~receiving the~~ software package comprising at least one software component wherein the software package includes an associated [[a]] file list, the file list having data entries corresponding to actual contents of the files of parameters for the at least one software component;

b) accessing a framework mounted on the computer that references at least one test module to identify the at least one test module from the framework, each said test module configured to compare selected data entries from the file list with the actual contents of the files of a software component associated with the data entries to verify the correctness of the installation of the software component; ~~use the data entries of the file list to define a test of the software package;~~ and

c) performing the test ~~defined~~ by causing the at least one test module to compare selected data entries from the file list with the actual contents of the files of a software component verify the correctness of the installation of the software component. on the package wherein testing is conducted without performing a test execution of the software components of the software installation package.

**Claim 32 (previously presented):** The method of Claim 31, including repeating steps (b) and (c) to perform a sequence of tests, the order in which the tests are performed being determined by relative priorities assigned to each of the at least one test module.

**Claim 33 (currently amended):** A computer readable medium having stored thereon a data structure operable for use in verifying a software package that includes at least one software component, the data structure comprising:

a) a first field containing data representing one of a plurality of test modules, each test module being operable to test of at least one parameter of the at least one software component of the package,

b) where data representing ones of the test modules may be added to and deleted from the data structure, creating a flexible data structure.

**Claim 34 (original):** The medium according to claim 33, wherein the data structure further comprises a second field identifying a priority for each of the test modules represented by the data in the first data field, the priority defining an order of execution of test modules.

**Claim 35 (original):** The medium according to claim 33, wherein the data structure further comprises a third field identifying the one of a plurality of test modules represented by the data in the first data field as being one of active and not active.

**Claim 36-37 (cancelled).**

**Claim 38 (currently amended):** A method of verifying the correct installation of a ~~[[that]]~~ software ~~installation~~ package that includes at least one software component, the method comprising the steps of:

a) providing a computer having installed thereon a SOLARIS © compliant software package wherein the package includes having at least one software component and an associated file list containing data about the files of the software package;

b) a) providing a test framework that includes a control module ~~and at least one test module~~ suitable for referencing at least one test module for conducting verification of software installation packages, the test modules configured to test the software component by comparing data from the file list with actual data from installed files of the software component ;

c) receiving a command to verify installation of the software package;

d) authenticating the command to verify;

~~b) receiving the software installation package;~~

e) e) executing an initial verification of the software installation package using a control module, wherein the initial verification is conducted by comparing data from the file list with actual data from installed files of the software component ~~without performing a test execution of the software components of the software installation package;~~

f) d) where the initial verification is successful, selecting a next module from among the at least one test module to conduct verification of the software package; and

g) e) executing verification testing of the software package using the next module wherein the verification using the next module is conducted by comparing data from the file list with actual data from installed files of the software component ~~without performing a test execution of the software components of the software installation package.~~

**Claim 39 (currently amended):** The method of Claim 38 wherein operations f and g ~~d and e~~ are iteratively performed until all test modules of the at least one test module have been executed.

**Claim 40 (currently amended):** The method of Claim 38 wherein if any verification or authentication operations fail an error message is generated.

**Claim 41 (currently amended):** The method of Claim 38 wherein executing the ~~authentication of the command to verify installation initial verification of the software installation package~~ comprises:

- receiving a verification command; and
- checking that the verification command includes a correct number of arguments.

**Claim 42 (currently amended):** The method of Claim 41 wherein executing the ~~authentication of the command to verify installation initial verification of the software installation package~~ comprises at least one of:

- confirming that a user of the software installation package has the correct permissions;
- confirming that software components of the software installation package exist in the correct directories;
- confirming that the software components do not include any zero size files;
- confirming that the software components comprise actual data files and not data links;

and

- confirming that package map and package information files for the software package exist in a SOLARIS © environment.

**Claim 43 (currently amended):** The method of Claim 38 wherein b) ~~a)~~ providing a test framework that includes a control module and at least one test module ~~suitable for conducting verification of software installation packages~~ includes adding, deleting, and modifying the at least one test module to provide a flexible test framework.

**Claim 44 (currently amended):** ~~The tool of claim 2,~~ An automated software package verification tool mounted on a computer for verifying a software package that has been installed on the computer, the software package including at least one software component

(Also Form PT-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,080,357 B2

Page 1 of 1

DATED : July 18, 2006

INVENTOR(S) : Foster et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

**In the Claims:**

In line 8 of claim 11 (column 10, line 18) change "teat modules" to --test modules--.

In line 8 of claim 21 (column 11, line 19) change "flies" to --files--.

In line 7 of claim 23 (column 11, line 44) change "flies" to --files--.

In line 1 of claim 24 (column 12, line 1) change "f and g e" to --f and g--.

In line 2 of claim 32 (column 12, line 57) change "at lent" to --at least--.

In line 1 of claim 33 (column 12, line 59) delete "6".

MAILING ADDRESS OF SENDER:

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